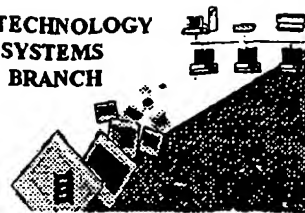BIOTECHNOLOGY
SYSTEMS
BRANCH

RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information
Center (STIC) detected errors when processing the following computer readable
form:

Application Serial Number: _10/686,490_

Source: _1FWD_

Date Processed by STIC: _10/29/2003_

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE
   APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A
   NOTICE TO COMPLY
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT
MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221
Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER
VERSION 4.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
   http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is
a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the
United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (**<http://www.uspto.gov/ebc/efs/downloads/documents.htm>** , EFS Submission
   User Manual - cPAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
   U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,
   2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,
   Box Sequence, Room 4B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03

IFWO

RAW SEQUENCE LISTING   DATE: 10/29/2003
PATENT APPLICATION: US/10/686,490   TIME: 09:56:06

Input Set : A:\35991.ST25-US.txt
Output Set: N:\CRF4\10292003\J686490.raw

```
       3 <110> APPLICANT: Bayer Aktiengesellschaft
W-->   4 <120> TITLE OF INVENTION: Anti-Kazlauskas-Lipases
W-->   5 <130> FILE REFERENCE: LeA 35 991
C-->   6 <140> CURRENT APPLICATION NUMBER: US/10/686,490
C-->   6 <141> CURRENT FILING DATE: 2003-10-15
W-->   6 <160> NUMBER OF SEQ ID: 2
       7 <170> SOFTWARE: PatentIn version 3.1
       9 <210> SEQ ID NO: 1
      10 <211> LENGTH: 885
      11 <212> TYPE: DNA
      12 <213> ORGANISM: artificial
W-->  13 <220> FEATURE:
      14 <221> NAME/KEY: CDS
      15 <222> LOCATION: (1)..(885)
      16 <223> OTHER INFORMATION:
W-->  18 <400> 1
      19 atg gca cag gtg aag gcc aac ggc att acc ctc gag tat gaa gag cag     48
      20 Met Ala Gln Val Lys Ala Asn Gly Ile Thr Leu Glu Tyr Glu Glu Gln
      21 1               5                   10                  15
      23 ggc cat cgc cac cat ccg tcc atg ctc ctc att atg ggc ctg ggc ggc     96
      24 Gly His Arg His His Pro Ser Met Leu Leu Ile Met Gly Leu Gly Gly
      25               20                  25                  30
      27 cag tta atc gac tgg ccc gag gag ttc atc cgg ggg ctg gct gaa cga    144
      28 Gln Leu Ile Asp Trp Pro Glu Glu Phe Ile Arg Gly Leu Ala Glu Arg
      29           35                  40                  45
      31 ggc ttc cgg gta atc tgt ttc gac aac cgc gac gcg ggg ctt tcg acg    192
      32 Gly Phe Arg Val Ile Cys Phe Asp Asn Arg Asp Ala Gly Leu Ser Thr
      33       50                  55                  60
      35 aaa ctt gaa ggc gtg aaa aaa ccg aac att gcc cgg gta ttt ctc ctg    240
      36 Lys Leu Glu Gly Val Lys Lys Pro Asn Ile Ala Arg Val Phe Leu Leu
      37 65                  70                  75                  80
      39 gcg agc atg ggc cta aag ccc agg gtg cct tac acc ctc gac gac atg    288
      40 Ala Ser Met Gly Leu Lys Pro Arg Val Pro Tyr Thr Leu Asp Asp Met
      41               85                  90                  95
      43 gcc ctg gac acc gtg ggg ctg atg gat gcc ctg ggc att gag agc acc    336
      44 Ala Leu Asp Thr Val Gly Leu Met Asp Ala Leu Gly Ile Glu Ser Thr
      45               100                 105                 110
      47 cac gta gtt ggc gtc tcc atg ggc ggc atg att gcg cag att cta ggg    384
      48 His Val Val Gly Val Ser Met Gly Gly Met Ile Ala Gln Ile Leu Gly
      49               115                 120                 125
      51 gcg aag cac ggg gag cgg gtg aaa tcc ctt acc ctg atg att acc tcc    432
      52 Ala Lys His Gly Glu Arg Val Lys Ser Leu Thr Leu Met Ile Thr Ser
      53       130                 135                 140
```

RAW SEQUENCE LISTING   DATE: 10/29/2003
PATENT APPLICATION: US/10/686,490   TIME: 09:56:06

Input Set : A:\35991.ST25-US.txt
Output Set: N:\CRF4\10292003\J686490.raw

```
55 tcc ggc aac ccc cgc atg ccg gcg ccc agg ccg cag gtg ctg caa aag    480
56 Ser Gly Asn Pro Arg Met Pro Ala Pro Arg Pro Gln Val Leu Gln Lys
57 145               150               155               160
59 ttt atg cgg gtg ccc aag agc atg gat aag gaa gag tgg att aaa tac    528
60 Phe Met Arg Val Pro Lys Ser Met Asp Lys Glu Glu Trp Ile Lys Tyr
61               165               170               175
63 aac ttg gag ctt tta acc acc atc ggc agc ccc ggg ttg gac cgg gag    576
64 Asn Leu Glu Leu Leu Thr Thr Ile Gly Ser Pro Gly Leu Asp Arg Glu
65               180               185               190
67 aag ctg gcc tta gac gtg agg aag agc ata gag cgg tgc ctt tgc ccc    624
68 Lys Leu Ala Leu Asp Val Arg Lys Ser Ile Glu Arg Cys Leu Cys Pro
69               195               200               205
71 gaa ggc acg cag cgg cag ctg gca gcc atc ctg cag agc ggc agc agg    672
72 Glu Gly Thr Gln Arg Gln Leu Ala Ala Ile Leu Gln Ser Gly Ser Arg
73       210               215               220
75 gtg aag ctg ctc cgg cgg atc gct gtc ccc acc ctg gtc atc agc ggg    720
76 Val Lys Leu Leu Arg Arg Ile Ala Val Pro Thr Leu Val Ile Ser Gly
77 225               230               235               240
79 gcg gaa gat ccc ctc ctg ccg tac cag tgc ggc cgg gac att gcc gac    768
80 Ala Glu Asp Pro Leu Leu Pro Tyr Gln Cys Gly Arg Asp Ile Ala Asp
81               245               250               255
83 cat atc ccg gga gcc cgc ttc gag ctc atc gag ggc atg ggg cac gac    816
84 His Ile Pro Gly Ala Arg Phe Glu Leu Ile Glu Gly Met Gly His Asp
85               260               265               270
87 att ccc gag cgg cac atc ccc cgg ctg att gag ctc atc gcc ggg cac    864
88 Ile Pro Glu Arg His Ile Pro Arg Leu Ile Glu Leu Ile Ala Gly His
89               275               280               285
91 gcc gcg gcc gcg gaa gct taa                                        885
92 Ala Ala Ala Ala Glu Ala
93       290
```

```
96 <210> SEQ ID NO: 2
97 <211> LENGTH: 294
98 <212> TYPE: PRT
99 <213> ORGANISM: artificial        see p.4
W--> 102 <220> FEATURE:
W--> 102 <223> OTHER INFORMATION:
W--> 102 <400> 2
104 Met Ala Gln Val Lys Ala Asn Gly Ile Thr Leu Glu Tyr Glu Glu Gln
105 1               5               10              15
108 Gly His Arg His His Pro Ser Met Leu Leu Ile Met Gly Leu Gly Gly
109               20              25              30
112 Gln Leu Ile Asp Trp Pro Glu Glu Phe Ile Arg Gly Leu Ala Glu Arg
113       35              40              45
116 Gly Phe Arg Val Ile Cys Phe Asp Asn Arg Asp Ala Gly Leu Ser Thr
117       50              55              60
120 Lys Leu Glu Gly Val Lys Lys Pro Asn Ile Ala Arg Val Phe Leu Leu
121 65              70              75              80
124 Ala Ser Met Gly Leu Lys Pro Arg Val Pro Tyr Thr Leu Asp Asp Met
125               85              90              95
```

RAW SEQUENCE LISTING   DATE: 10/29/2003
PATENT APPLICATION: US/10/686,490   TIME: 09:56:06

Input Set : A:\35991.ST25-US.txt
Output Set: N:\CRF4\10292003\J686490.raw

```
128 Ala Leu Asp Thr Val Gly Leu Met Asp Ala Leu Gly Ile Glu Ser Thr
129         100                 105                 110
132 His Val Val Gly Val Ser Met Gly Gly Met Ile Ala Gln Ile Leu Gly
133         115                 120                 125
136 Ala Lys His Gly Glu Arg Val Lys Ser Leu Thr Leu Met Ile Thr Ser
137     130                 135                 140
140 Ser Gly Asn Pro Arg Met Pro Ala Pro Arg Pro Gln Val Leu Gln Lys
141 145                 150                 155                 160
144 Phe Met Arg Val Pro Lys Ser Met Asp Lys Glu Glu Trp Ile Lys Tyr
145             165                 170                 175
148 Asn Leu Glu Leu Leu Thr Thr Ile Gly Ser Pro Gly Leu Asp Arg Glu
149         180                 185                 190
152 Lys Leu Ala Leu Asp Val Arg Lys Ser Ile Glu Arg Cys Leu Cys Pro
153         195                 200                 205
156 Glu Gly Thr Gln Arg Gln Leu Ala Ala Ile Leu Gln Ser Gly Ser Arg
157     210                 215                 220
160 Val Lys Leu Leu Arg Arg Ile Ala Val Pro Thr Leu Val Ile Ser Gly
161 225                 230                 235                 240
164 Ala Glu Asp Pro Leu Leu Pro Tyr Gln Cys Gly Arg Asp Ile Ala Asp
165             245                 250                 255
168 His Ile Pro Gly Ala Arg Phe Glu Leu Ile Glu Gly Met Gly His Asp
169             260                 265                 270
172 Ile Pro Glu Arg His Ile Pro Arg Leu Ile Glu Leu Ile Ala Gly His
173         275                 280                 285
176 Ala Ala Ala Ala Glu Ala
177     290
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 10/29/2003
PATENT APPLICATION: US/10/686,490   TIME: 09:56:07

Input Set : A:\35991.ST25-US.txt
Output Set: N:\CRF4\10292003\J686490.raw

Invalid <213> Response:
Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2

Use of <220> Feature(NEW RULES): *errl Xplaration*
Sequence(s) are missing the <220> Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence"
or"Unknown". Please explain source of genetic material in <220> to <223>
section (See "Federal Register," 6/01/98, Vol. 63, No. 104,pp.29631-32)
(Sec.1.823 of new Rules)

Seq#:2, 1

VERIFICATION SUMMARY
PATENT APPLICATION: **US/10/686,490**

DATE: 10/29/2003
TIME: 09:56:07

Input Set : **A:\35991.ST25-US.txt**
Output Set: **N:\CRF4\10292003\J686490.raw**

L:4 M:283 W: Missing Blank Line separator, <120> field identifier
L:5 M:283 W: Missing Blank Line separator, <130> field identifier
L:6 M:270 C: Current Application Number differs, Replaced Current Application No
L:6 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:6 M:283 W: Missing Blank Line separator, <160> field identifier
L:13 M:283 W: Missing Blank Line separator, <220> field identifier
L:18 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:1,Line#:16
L:102 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:2, <213>
ORGANISM:artificial
L:102 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:2, <213>
ORGANISM:artificial
L:102 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:2,Line#:102